

Declaration and Power of Attorney for Patent Application English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PLATING BATH AND METHOD FOR DEPOSITING A METAL LAYER ON A SUBSTRATE

the specification of which

(check one)

☐ is attached hereto.
☒ was filed on October 2, 2001 as United States Application No. or PCT
 Application No. 09/970,224
 and was amended on _____
 (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)	<u>Priority Not Claimed</u>
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Linda M. Buckley	Reg. No. 31,003	David E. Tucker	Reg. No. 27,840
Peter J. Manus	Reg. No. 26,766	Lisa Swiszc Hazzard	Reg. No. 44,368
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William J. Daley, Jr.	Reg. No. 35,487	Stewart L. Gitler	Reg. No. 31,256
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John B. Alexander	Reg. No. 48,399		

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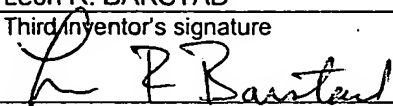
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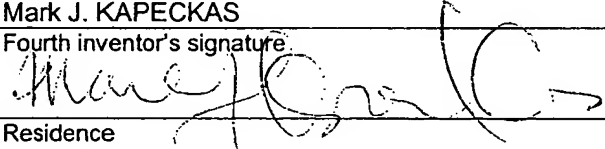
(name and telephone number)

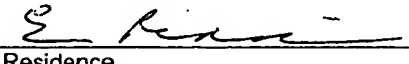
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Citizenship	
U.S.A.	
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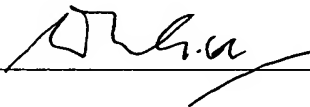
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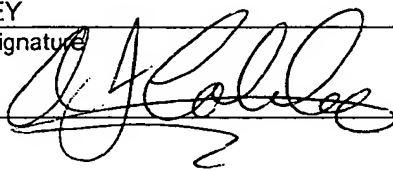
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Sole or first inventor's signature	Date:
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United Kingdom	
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Same As Above	

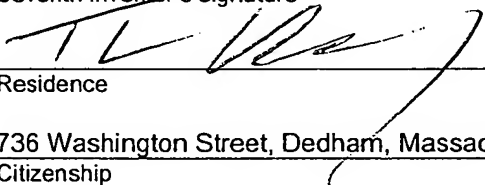
Full name of second inventor	
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Second inventor's signature	Date:
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Third inventor's signature	Date:
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Fourth inventor's signature	Date:
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Sixth inventor's signature	Date:
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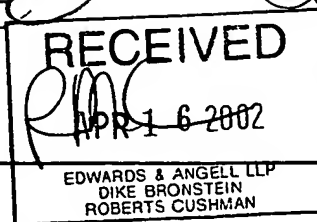
Full name of seventh inventor	
Thomas BUCKLEY	
Seventh inventor's signature 	Date: 11-3-01
Residence	
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REC KIP/DEE

50798

(0329)



APRIL 09, 2002

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102017088A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/04/2002

REEL/FRAME: 012566/0361
NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GABE, DAVID R.

DOC DATE: 11/03/2001

ASSIGNOR:

COBLEY, ANDREW J.

DOC DATE: 11/03/2001

ASSIGNOR:

BARSTAD, LEON R.

DOC DATE: 11/03/2001

ASSIGNOR:

KAPECKAS, MARK J.

DOC DATE: 11/03/2001

ASSIGNOR:

REDDINGTON, ERIK

DOC DATE: 11/03/2001

ASSIGNOR:

SONNENBERG, WADE

DOC DATE: 11/03/2001

ASSIGNOR:

BUCKLEY, THOMAS

DOC DATE: 11/03/2001

012566/0361 PAGE 2

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SERIAL NUMBER: 09970224
PATENT NUMBER:

FILING DATE: 10/02/2001
ISSUE DATE:

PEARLENE FOSTER, EXAMINER
ASSIGNMENT DIVISION
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

David R. GABE
Andrew J. COBLEY
Leon R. BARSTAD
Mark J. KAPECKAS
Erik REDDINGTON

Wade SONNENBERG
Thomas BUCKLEY

2-4-02

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Shipley Company, L.L.C.

Address: 455 Forest Street

City: Marlborough State/Prov.: MA

Country: U.S.A. ZIP: 01752

Additional name(s) & address(es)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: November 3, 2001 (Completed)

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.

Filing date

B. Patent No.(s)

09/970,224

October 2, 2001

2/27/2002 SDENB001 00000051 09970224

FE 00:581

40.00 DP

Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Peter F. Corless

Registration No. 33,860

Address: EDWARDS & ANGELL, LLP

Dike, Bronstein, Roberts & Cushman, IP Group

P.O. Box 9169

City: Boston State/Prov.: MA

Country: USA ZIP: 02209

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

04-1105

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Peter F. Corless

Name of Person Signing

Signature

1/08/02

Date

7

Total number of pages including cover sheet, attachments, and

ASSIGNMENT

WHEREAS, I, David R. GABE of Loughborough, United Kingdom, (hereinafter referred to as "Assignor"), have invented certain new and useful improvements in "INSERT PLATING BATH AND METHOD FOR DEPOSITING A METAL LAYER ON A SUBSTRATE", for which an application for United States Letters Patent with the same title was filed with the U.S. Patent Office on October 2, 2001 and assigned U.S. Serial No. 09/970,224, and

WHEREAS, Shipley Company, L.L.C., located at 455 Forest Street, Marlborough, Massachusetts 01752, (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the same invention, and in and to the said application, and any Letters Patent that may issue thereon;

NOW, THEREFORE, in consideration of the sum of One Hundred British Pounds (£100.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents to sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefore in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The Assignor also has assigned and transferred, and does hereby assign and transfer to the Assignee, its successors and assigns, his entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignor would hold and enjoy if this Assignment had not been made.

The Assignor further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce patent protection for said invention in all countries.

The Assignor also hereby grants the law firm of EDWARDS & ANGELL, LLP, Dike, Bronstein, Roberts & Cushman, IP Group, the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this documents.

IN WITNESS WHEREOF, the Assignor has caused this Assignment to be executed.

Dated this 8th day of November, 2001.



David R. GABE

ASSIGNMENT

WHEREAS, I, Andrew J. Copley of West Midlands, England, I, Leon R. Barstad of Raynham, Massachusetts, I, Mark J. Kapeckas of Marlborough, Massachusetts, I, Erik Reddington of Ashland, Massachusetts, I, Wade Sonnenberg of Edgartown, Massachusetts and I, Thomas Buckley of Dedham, Massachusetts, (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "PLATING BATH AND METHOD FOR DEPOSITING A METAL LAYER ON A SUBSTRATE", for which an application for United States Letters Patent with the same title was filed with the U.S. Patent and Trademark Office on October 2, 2001 and assigned U.S. Application Serial No. 09/970,224, and

WHEREAS, Shipley Company, L.L.C., located at 455 Forest Street, Marlborough, Massachusetts 01752, (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the same invention, and in and to the said application, and any Letters Patent that may issue thereon;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for the above consideration, the Assignors have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest for the United States in and to the said invention and in and to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, and all applications claiming priority therefrom; and the Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as their interest is concerned, to the Assignee; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

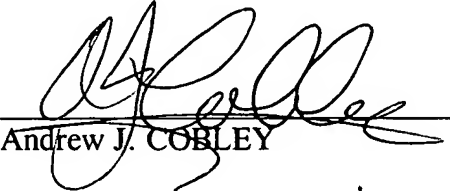
The Assignors also have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce patent protection for said invention in all countries.

The Assignors also hereby grant the law firm of EDWARDS & ANGELL, LLP, Dike, Bronstein, Roberts & Cushman, IP Group, the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, the Assignors have caused this Assignment to be executed.

Dated this 5th day of November, 2001.



Andrew J. COBLEY

Dated this ____ day of _____, ____.

Leon R. BARSTAD

Dated this ____ day of _____, ____.

Mark J. KAPECKAS

Dated this ____ day of _____, ____.

Erik REDDINGTON

Dated this ____ day of _____, ____.

Wade SONNENBERG

Dated this ____ day of _____, ____.

Thomas BUCKLEY

ASSIGNMENT

WHEREAS, I, Andrew J. Copley of West Midlands, England, I, Leon R. Barstad of Raynham, Massachusetts, I, Mark J. Kapeckas of Marlborough, Massachusetts, I, Erik Reddington of Ashland, Massachusetts, I, Wade Sonnenberg of Edgartown, Massachusetts and I, Thomas Buckley of Dedham, Massachusetts, (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "PLATING BATH AND METHOD FOR DEPOSITING A METAL LAYER ON A SUBSTRATE", for which an application for United States Letters Patent with the same title was filed with the U.S. Patent and Trademark Office on October 2, 2001 and assigned U.S. Application Serial No. 09/970,224, and

WHEREAS, Shipley Company, L.L.C., located at 455 Forest Street, Marlborough, Massachusetts 01752, (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the same invention, and in and to the said application, and any Letters Patent that may issue thereon;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for the above consideration, the Assignors have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest for the United States in and to the said invention and in and to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, and all applications claiming priority therefrom; and the Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as their interest is concerned, to the Assignee; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors also have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

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IN WITNESS WHEREOF, the Assignors have caused this Assignment to be executed.

Dated this ____ day of _____, ____.

Andrew J. COBLEY

Dated this 1 day of November, 2001.

Leon R. BARSTAD

Dated this 1 day of NOVEMBER, 2001.

Mark J. KAPECKAS

Dated this 1 day of NOVEMBER, 2001.

Erik REDDINGTON

Dated this 1 day of November, 2001.

Wade SONNENBERG

Dated this ____ day of _____, ____.

Thomas BUCKLEY

ASSIGNMENT

WHEREAS, I, Andrew J. Copley of West Midlands, England, I, Leon R. Barstad of Raynham, Massachusetts, I, Mark J. Kapeckas of Marlborough, Massachusetts, I, Erik Reddington of Ashland, Massachusetts, I, Wade Sonnenberg of Edgartown, Massachusetts and I, Thomas Buckley of Dedham, Massachusetts, (hereinafter referred to as "Assignors"), have invented certain new and useful improvements in "PLATING BATH AND METHOD FOR DEPOSITING A METAL LAYER ON A SUBSTRATE", for which an application for United States Letters Patent with the same title was filed with the U.S. Patent and Trademark Office on October 2, 2001 and assigned U.S. Application Serial No. 09/970,224, and

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NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for the above consideration, the Assignors have assigned and transferred, and do hereby assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest for the United States in and to the said invention and in and to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, and all applications claiming priority therefrom; and the Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as their interest is concerned, to the Assignee; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

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IN WITNESS WHEREOF, the Assignors have caused this Assignment to be executed.

Dated this ____ day of _____, ____.

Andrew J. COBLEY

Dated this ____ day of _____, ____.

Leon R. BARSTAD

Dated this ____ day of _____, ____.

Mark J. KAPECKAS

Dated this ____ day of _____, ____.

Erik REDDINGTON

Dated this ____ day of _____, ____.

Wade SONNENBERG

Dated this 3 day of November, 2001.



Thomas BUCKLEY